

*extension on JUMP containing Tm*

Project No. \_\_\_\_\_

Book No. \_\_\_\_\_

TITLE \_\_\_\_\_

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32P 733, 678	5										✓
P.S.9	5										✓
10x Ultra	5										✓
10x PCR buffer (Tag)		5	5		5				5		✓
IFL 20x buffer				2.5	5						✓
					5						✓
10x Vent buffer						5	5				✓
10x Pfu II								5	5		✓
4 dNTPs 10mM each	1 µl										✓
Ultra 6 µl	0.4										✓
Tag 3 µl											✓
Tag 5 µl					0.8						✓
Tag 11-2-94					0.5						✓
Tfi 1 µl					2.5						✓
RT+H (PRE) 2.5 µl						1					✓
Vent 2 µl							1.25				✓
Deep Vent 2 µl								1.25			✓
Pfu 2.5 µl									1		✓
DHOK 20 µl										0.2	✓
25mM MgCl2	4	4	4	4	4	—	—	4	4	4	✓
H2O	34.6	34.2	34.5	35	35	37.8	37.8	37	34.7	35	✓

70°C at 1, 10, 20' removal 10 µl to 5 µl after seq stop solution

Witnessed & Understood by me,  
*Deanna Polaris*

Date  
 1/6/95

Inv nt d by *[Signature]*  
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Dat  
 12/16/94

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OK altman  
 pmol <sup>733</sup> total / 50  $\mu$ l (7.6 nM primers total)

turn 10 mM Tris pH 8.8, 10 mM KCl, 0.02% Tween 20  
 PCR buffer (BRL) cat # Y02021, 20 mM Tris 8.8, 50 mM KCl

(200  $\mu$ M each dNTP)  
 units pol (~0.125 pmol pol molecules)  
 $\frac{0.001}{0.001} \sim 3^{32}\text{P}733 / 1$  pol molecules

XPFN at 1X = 20 mM Tris pH 7.5, 10 mM KCl, 10 mM  $(\text{NH}_4)_2\text{SO}_4$ , 2 mM  $\text{MgSO}_4$ , 1% Triton  
 D78R = 20 mM Tris pH 7.5, 20 mM KCl, 10 mM  $(\text{NH}_4)_2\text{SO}_4$

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12/16/94